

**Amendment to the Specification:**

Please amend the paragraph that begins on page 2, line 18 as follows:

This object is achieved according to the present invention by an analysis apparatus ~~as claimed in claim 1~~ comprising:

Please delete the paragraph that begins on page 2, line 32.

Please amend the paragraph that begins on page 3, line 18 as follows:

~~Preferred embodiments of the invention are defined in the dependent claims. Different embodiments of the monitoring system are defined in claims 2 and 3.~~—In order to distinguish between different image portions, for instance to discriminate between pixels with blood and skin in the image either contrast information in the image or spectral information in the detected scattered radiation can be used.

Please add the following new paragraph at page 11, line 3.

The invention has been described with reference to the preferred embodiments. Modifications and alterations will occur to others upon a reading and understanding of the preceding detailed description. It is intended that the invention be construed as including all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof.